Amendments to the Claims:

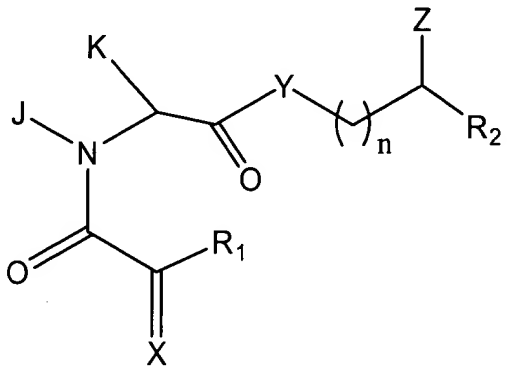
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-40. (Canceled)

41. (Previously presented) A method for stimulating neurite outgrowth by a nerve cell, comprising:

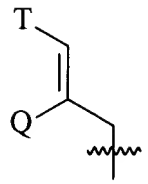
administering to said nerve cell an effective amount of compound having an affinity for FKBP-type immunophilins according to formula I



Formula I

or a pharmaceutically acceptable salt thereof,

- wherein Y is CH_2, O, NH, or N-(C1-C4 alkyl);
- wherein Z and R_2 are independently Ar, (C5-C7)-cycloalkyl substituted (C1-C6)-straight or branched alkyl or alkenyl, (C5-C7)-cycloalkenyl substituted (C1-C6)-straight or branched alkyl or alkenyl, or Ar substituted (C1-C6)-straight or branched alkyl or alkenyl, wherein in each case, one or two carbon atoms of the straight or branched alkyl or alkenyl groups may be substituted with 1-2 heteroatoms selected from the group consisting of oxygen, sulfur, SO and SO_2 in chemically reasonable substitution patterns, or



- wherein Q is hydrogen, (C1-C6)-straight or branched alkyl or (C1-C6) -straight or branched alkenyl;
- wherein T is Ar or substituted 5-7 membered cycloalkyl with substituents at positions 3 and 4 which are independently selected from the group consisting of hydrogen, hydroxyl, O-(C1-C4)-alkyl or O-(C1-C4)-alkenyl and carbonyl;
- wherein Ar is selected from the group consisting of monocyclic and bicyclic heterocyclic aromatic ring systems with individual ring sizes being 5 or 6 which may contain in either or both rings a total of 1-4 heteroatoms independently selected from oxygen, nitrogen and sulfur;
wherein Ar may contain one to three substituents which are independently selected from the group consisting of hydrogen, halo, hydroxyl, hydroxymethyl, nitro, CF_3, trifluoromethoxy, (C1-C6)-straight or branched alkyl or (C1-C6)-straight or branched alkenyl, O-(C1-C4)-straight or branched alkyl or O-(C1-C4)-straight or branched alkenyl, O-benzyl, O-phenyl, amino, 1,2-methylenedioxy, carbonyl and phenyl;
- wherein R_1 is either hydrogen or U; X is either oxygen or CH-U, provided that if R_1 is hydrogen, then X is CH-U, or if X is oxygen then R_1 is U;
- wherein U is hydrogen, O-(C1-C4)-straight or branched alkyl or O-(C1-C4)-straight or branched alkenyl, (C1-C6)-straight or branched alkyl or (C1-C6)-straight or branched alkenyl, (C5-C7)-cycloalkyl, (C5-C7)-cycloalkenyl substituted with (C1-C4)-straight or branched alkyl or (C1-C4)-straight or branched alkenyl, [(C1-C4)-alkyl or (C1-C4)-alkenyl]-Ar or Ar (Ar as described above);
- wherein J is hydrogen or C1 or C2 alkyl or benzyl; K is (C1-C4)-straight or branched alkyl, benzyl or cyclohexylethyl; or wherein J and K may be taken

together to form a 5 membered heterocyclic ring which may contain an oxygen (O), sulfur (S), SO or SO_2 substituted therein; and

- wherein n is 0-3.

42. (Original) The method of claim 41, further comprising co-administering an effective amount of a neurotrophic factor to stimulating neurite outgrowth selected from the group consisting of nerve growth factor, brain derived growth factor, glial derived growth factor, and neurotropin-3.

43. (Canceled).

44. (Previously presented) The method of claim 41,

- wherein Z and R_2 are independently Ar, (C5-C7)-cycloalkyl substituted (C1-C6)-straight or branched alkyl or alkenyl, (C5-C7)-cycloalkenyl substituted (C1-C6)-straight or branched alkyl or alkenyl, or Ar substituted (C1-C6)-straight or branched alkyl or alkenyl, wherein in each case, one or two carbon atoms of the straight or branched alkyl or alkenyl groups may be substituted with 1-2 heteroatoms selected from the group consisting of oxygen, sulfur, SO and SO_2 in chemically reasonable substitution patterns;
- wherein U is hydrogen, O-(C1-C4)-straight or branched alkyl or O-(C1-C4)-straight or branched alkenyl, (C1-C6)-straight or branched alkyl or (C1-C6)-straight or branched alkenyl, (C5-C7)-cycloalkenyl substituted with (C1-C4)-straight or branched alkyl or (C1-C4)-straight or branched alkenyl, [(C1-C4)-alkyl or (C1-C4)-alkenyl]-Ar or Ar; and
- wherein Ar is selected from the group consisting of monocyclic and bicyclic heterocyclic aromatic ring systems with individual ring sizes being 5 or 6, which may contain in either or both rings a total of 1-4 heteroatoms independently selected from oxygen, nitrogen and sulfur;

wherein Ar may contain one to three substituents which are independently selected from the group consisting of hydrogen, halo, hydroxyl, hydroxymethyl, nitro, CF_3, trifluoromethoxy, (C1-C6)-straight or branched alkyl or (C1-C6)-

straight or branched alkenyl, O-(C1-C4)-straight or branched alkyl or O-(C1-C4)-straight or branched alkenyl, O-benzyl, O-phenyl, amino, and 1,2-methylenedioxy.

45. (Original) The method of claim 44, wherein

- if X is O, Y is O, NH or N-(C1-C4 alkyl), R_1 is C1-C6 straight or branched alkyl, C2-C6 straight or branched alkenyl, C5-C7 cycloalkyl or cycloalkenyl substituted with C1-C4 straight or branched alkyl or C2-C4 straight or branched alkenyl, and Ar is 1-napthyl, 2-napthyl, indolyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, or phenyl

- then $(CH_2)_nZ$ and R_2 taken together do not form:

1) substituted or unsubstituted indolyl, 2-furyl, 3-furyl, thiazolyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, phenyl

2) an alkyl or alkenyl chain with substituted or unsubstituted indolyl, 2-furyl, 3-furyl, thiazolyl, 2-thienyl, 3, thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, phenyl

3) an alkyl or alkenyl chain substituted with C5-C7 cycloalkyl.

46-48. (Canceled).